

# Periodic Table Of Elements

1

1

1

H

1.008

Hydrogen

+1

2

2

2

Li

6.941

Lithium

+1

3

3

3

Na

22.99

Sodium

+1

4

4

4

K

39.098

Potassium

+1

5

5

5

Rb

85.468

Rubidium

+1

6

6

6

Cs

132.905

Cesium

+1

7

7

7

Fr

(223)

Francium

+1

2

4

4

Be

9.012

Beryllium

+2

11

12

12

Mg

24.305

Magnesium

+2

19

20

20

Ca

40.078

Calcium

+2

27

28

28

Ni

58.69

Nickel

+2,+3

35

36

36

Kr

83.8

Krypton

0

38

38

38

Sr

87.62

Strontium

+2

39

40

40

Zr

91.224

Zirconium

+4

56

56

56

Ba

137.327

Barium

+2

88

88

88

Ra

226.025

Radium

+2

13

13

13

B

10.811

Boron

+3

14

14

14

C

12.011

Carbon

+4,+2

15

15

15

N

14.007

Nitrogen

-3,+5

16

16

16

O

15.999

Oxygen

-2

17

17

17

F

18.998

Flourine

-1

18

18

18

Ar

39.948

Argon

0

3

3

3

Al

26.982

Aluminum

+3

13

13

13

Ga

69.723

Gallium

+3

31

31

31

In

114.818

Indium

+3,+1

49

49

49

Tl

204.383

Thallium

+1,+3

81

81

81

Pb

207.2

Lead

+2,+4

114

114

114

Uuq

(289)

Ununquadium

5

5

5

Sc

44.956

Scandium

+3

21

21

21

Y

88.906

Yttrium

+3

39

39

39

La

138.906

Lanthanum

+3

57

57

57

Pr

140.908

Praseodymium

+3,+4

75

75

75

Re

186.207

Rhenium

+7,+3

93

93

93

Np

237.048

Neptunium

+3,+4,+5,+6

109

109

109

Mt

(266)

Meitnerium

22

22

22

Ti

47.88

Titanium

+3,+4

40

40

40

Hf

180.948

Hafnium

+4

58

58

58

Ce

140.115

Cerium

+3,+4

76

76

76

Os

190.23

Osmium

+2,+3,+4

94

94

94

Pu

(244)

Plutonium

+3,+4,+5,+6

110

110

110

Ds

(271)

Darmstadtium

23

23

23

V

50.942

Vanadium

+2,+5

41

41

41

Nb

92.906

Niobium

+5,+3

59

59

59

Pr

140.908

Praseodymium

+3,+4

77

77

77

Ir

192.22

Iridium

+2,+3,+4

95

95

95

Am

(243)

Americium

+3

111

111

111

Rg

(272)

Roentgenium

24

24

24

Cr

51.996

Chromium

+2,+3,+6

42

42

42

Mo

95.94

Molybdenum

+6,+2

60

60

60

Nd

144.24

Neodymium

+3

78

78

78

Pt

195.08

Platinum

-3,+5

96

96

96

Cm

(247)

Curium

+3

112

112

112

Uub

(285)

Uunbium

25

25

25

Mn

54.938

Manganese

+2,+7

43

43

43

Tc

(99)

Technetium

+7,+3

61

61

61

Pm

(145)

Promethium

+3

79

79

79

Au

196.967

Gold

+1,+3

97

97

97

Bk

(247)

Berkelium

+3,+4

113

113

113

Uut

(288)

Uununbium

26

26

26

Fe

55.847

Iron

+2,+3

44

44

44

Ru

101.07

Ruthenium

+3

62

62

62

Sm

150.36

Samarium

+2,+3

80

80

80

Hg

200.59

Mercury

+1,+2

98

98

98

Cf

(251)

Californium

27

27

27

Co

58.933

Cobalt

+2,+3

45

45

45

Rh

102.906

Rhodium

+3

63

63

63

Eu

151.965

Europium

+2,+3

81

81

81

Tl

204.383

Thallium

+1,+3

99

99

99

Es

(252)

Einsteinium

28

28

28

Ni

58.69

Nickel

+2,+3

46

46

46

Pd

106.42

Palladium

-3,+5

64

64

64

Gd

157.25

Gadolinium

+3

82

82

82

Pb

207.2

Lead

+2,+4

100

100

100

Fm

(257)

Fermium

29

29

29

Cu

63.546

Copper

+1,+2

47

47

47

Ag

107.868

Silver

+1

65

65

65

Tb

158.925

Terbium

+3,+4

83

83

83

Bi

208.98

Bismuth

-3,+5

101

101

101

Md

(258)

Mendelevium

30

30

30

Zn

65.39

Zinc

+2

48

48

48

Cd

112.411

Cadmium

+2

66

66

66

Dy

162.5

Dysprosium

+3

84

84

84

Po

(209)

Polonium

-2,+2,+4

102

102

102

No

(259)

Nobelium

31

31

31

In

114.818

Indium

+3,+1

49

49

49

Tl

204.383

Thallium

+1,+3

67

67

67

Ho

164.93

Holmium

+3

85

85

85

At

(210)

Astatine

-1

103

103

103

Lr

(260)

Lawrencium

32

32

32

Ge

72.61

Germanium

+4,+2

50

50

50

Sn

118.71

Tin

+2,+4

68

68

68

Er

167.26

Erbium

+3

86

86

86

Rn

(222)

Radon

0

33

33

33

As

74.922

Arsenic

-3,+5

51

51

51

Sb

121.75

Antimony

-3,+5

69

69

69

Tm

168.934

Thulium

-2,-3

87

87

87

Fr

(223)

Francium

+1

34

34

34

Se

78.96

Selenium

-2,+4

52

52

52

Te

127.6

Tellurium

-2,+4

70

70

70

Yb

173.04

Ytterbium

-2,-3

88

88

88

Ra

226.025

Radium

+2

35

35

35

Br

79.904

Bromine

-1

53

53

53

I

126.904

Iodine

-1

71

71

71

Lu

174.967

Lutetium

-3

36

36

36

Kr

83.8

Krypton

0

54

54

54

Xe

131.29

Xenon

0

37

37

37

Rb

85.468

Rubidium

+1

55

55

55

Cs

132.905

Cesium

+1

38

38

38

Sr

87.62

Strontium

+2

56

56

56

Ba

137.327

Barium

+2

39

39

39

Y

88.906

Yttrium

+3

57

57

57

La

138.906

Lanthanum

+3

40

40

40

Zr

91.224

Zirconium

+4

58

58

58

Ce

140.115

Cerium

+3,+4

41

41

41

Nb

92.906

Niobium

+5,+3

59

59

59

Pr

140.908

Praseodymium

+3,+4

42

42

42

Mo

95.94

Molybdenum

+6,+2

60

60

60

Nd

144.24

Neodymium

+3

43

43

43

Tc

(99)

Technetium

+7,+3

61

61

61

Pm

(145)

Promethium

+3

44

44

44

Ru

101.07

Ruthenium

+3

62

62

62

Sm

150.36

Samarium

+2,+3

45

45

45

Rh

102.906

Rhodium

+3

63

63

63

Eu

151.965

Europium

+2,+3

46

46

46

Pd

106.42

Palladium

-3,+5

64

64

64

Gd

157.25

Gadolinium

+3

47

47

47

Ag

107.868

Silver

+1

65

65

65

Tb

158.925

Terbium

+3,+4

48

48

48

Cd

112.411

Cadmium

+2

66

66

66

Dy

162.5

Dysprosium

+3

49

49

49

In

114.818

Indium

+3,+1

67

67

67

Ho

164.93

Holmium

+3

50

50

50

Sn

118.71

Tin

+2,+4

68

68

68

Er

167.26

Erbium

+3

51

51

51

Sb

121.75

Antimony

-3,+5

69

69

69

Tm

168.934

Thulium

-2,-3

52

52

52

Te

127.6

Tellurium

-2,+4

70

70

70

Yb

173.04

Ytterbium

-2,-3

53

53

53

I

126.904

Iodine

-1

71

71

71

Lu

174.967

Lutetium

-3

54

54

54

Xe

131.29

Xenon

0

55

55

55

Rb

85.468

Rubidium

+1

72

72

72

Hf

180.948

Hafnium

+4

56

56

56

Ba

137.327

Barium

+2

73

73

73

Ta

180.948

Tantalum

+5

57

57

57

La

138.906

Lanthanum

+3

74

74

74

W

183.85

Tungsten

+6,+2

58

58

58

Ce

140.115

Cerium

+3,+4

75

75

75

Re

186.207

Rhenium

+7,+3

59

59

59

Pr

140.908

Praseodymium

+3,+4

76

76

76

Os

190.23

Osmium

+2,+3,+4

60

60

60

Nd

144.24

Neodymium

+3

77

77

77

Ir

192.22

Iridium

+2,+3,+4

61

61

61

Pm

(145)

Promethium

+3

78

78

78

Pt

195.08

Platinum

-3,+5

62

62

62

Sm

150.36

Samarium

+2,+3

79

79

79

Au

196.967

Gold

+1,+3

63

63

63

Eu

151.965

Europium

+2,+3

80

80

80

Hg

200.59

Mercury

+1,+2

64

64

64

Gd

157.25

Gadolinium

+3

81

81

81

Tl

204.383

Thallium

+1,+3

65

65

65

Tb

158.925

Terbium

+3,+4

82

82

82

Pb

207.2

Lead

+2,+4

66

66

66

Dy

162.5

Dysprosium

+3

83

83

83

Bi

208.98

Bismuth

-3,+5

67

67

67

Ho

164.93

Holmium

+3

84

84

84

Po

(209)

Polonium

-2,+2,+4

68

68

68

Er

167.26

Erbium

+3

85

85

85

At

(210)

Astatine

-1

69

69

69

Tm

168.934

Thulium

-2,-3

86

86

86

Rn

(222)

Radon

0

70

70

70

Yb

173.04

Ytterbium

-2,-3

71

71

71

Lu

174.967

Lutetium

-3

72

72

72

Hf

180.948

Hafnium

+4

90

90

90

Th

232.038

Thorium

+4,+5

73

73

73

Ta

180.948

Tantalum

+5

91

91

91

Pa

231.036

Protactinium

+4,+5

74

74

74

W

183.85

Tungsten

+6,+2

92

92

92

U

238.029

Uranium

+3,+4,+5,+6

75

75

75

Re

186.207

Rhenium

+7,+3

93

93

93

Np

237.048

Neptunium

+3,+4,+5,+6

76

76

76

Os

190.23

Osmium

+2,+3,+4

94

94

94

Pu

(244)

Plutonium

+3,+4,+5,+6

77

77

77

Ir

192.22

Iridium

+2,+3,+4

95

95

95

Am

(243)

Americium

+3

78

78

78

Pt

195.08

Platinum

-3,+5

96

96

96

Cm

(247)

Curium

+3

79

79

79

Au

196.967

Gold

+1,+3

97

97

97

Bk

(247)

Berkelium

+3,+4

80

80

80

Hg

200.59

Mercury

+1,+2

98

98

98

Cf

(251)

Californium

81

81

81

Tl

204.383

Thallium

+1,+3

99

99

99

Es

(252)

Einsteinium

82

82

82

Pb

207.2

Lead

+2,+4

100

100

100

Fm

(257)

Fermium

83

83

83

Bi

208.98

Bismuth

-3,+5

101

101

101

Md

(258)

Mendelevium

84

84

84

Po

(209)

Polonium

-2,+2,+4

102

102

102

No

(259)

Nobelium

85

85

85

At

(210)

Astatine

-1

103

103

103

Lr

(260)

Lawrencium

86

86

86

Rn

(222)

Radon

0

87

87

87

Fr

(223)

Francium

+1

104

104

104

Rf

(261)

Rutherfordium

88

88

88

Ra

226.025

Radium

+2

105

105

105

Db

(262)

Dubnium

89

89

89

Ac

227.028

Actinium

+3

106

106

106

Sg

(263)

Seaborgium

90

90

90

Th

232.038

Thorium

+4,+5

107

107

107

Bh

(262)

Bohrium

91

91

91

Pa

231.036

Protactinium

+4,+5

108

108

108

Hs

(265)

Hassium

92

92

92

U

238.029

Uranium

+3,+4,+5,+6

109

109

109

Mt

(266)

Meitnerium

93

93

93

Np

237.048

Neptunium

+3,+4,+5,+6

110

110

110

Ds

(271)

Darmstadtium